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## ACRONYMS

<b>AAQS</b>	Ambient Air Quality Standards
<b>AC</b>	alternating current
<b>AIRFA</b>	<i>American Indian Religious Freedom Act</i>
<b>AM</b>	amplitude modulation
<b>ARB</b>	Air Resources Board
<b>ARPA</b>	<i>Archaeological Resources Protection Act</i>
<b>BAAQMD</b>	Bay Area Air Quality Management District
<b>BIA</b>	Bureau of Indian Affairs
<b>BLM</b>	U.S. Bureau of Land Management
<b>CAA</b>	<i>Clean Air Act</i>
<b>CAAA</b>	<i>Clean Air Act Amendments</i>
<b>CAAQS</b>	California Ambient Air Quality Standards
<b>Calpine</b>	Calpine Corporation
<b>CDFG</b>	California Department of Fish and Game
<b>CEC</b>	California Energy Commission
<b>CEQ</b>	Council on Environmental Quality
<b>CEQA</b>	<i>California Environmental Quality Act</i>
<b>CFR</b>	<i>Code of Federal Regulations</i>
<b>CNDDB</b>	California Natural Diversity Database
<b>CO</b>	carbon monoxide
<b>CO<sub>2</sub></b>	carbon dioxide
<b>CPUC</b>	California Public Utilities Commission
<b>CVP</b>	Central Valley Project
<b>CWA</b>	<i>Clean Water Act</i>
<b>DHS</b>	Department of Health Services
<b>DOE</b>	U.S. Department of Energy
<b>DOI</b>	Department of the Interior
<b>DOT</b>	U.S. Department of Transportation
<b>DSM</b>	demand-side management
<b>DWR</b>	California Department of Water Resources
<b>EA</b>	environmental assessment
<b>EIS</b>	environmental impact statement

EJ	<b>Environmental Justice</b>
ELF	<b>extremely-low-frequency</b>
EMF	<b>electric and magnetic field</b>
EO	<b><i>Executive Order</i></b>
EPA	<b>U.S. Environmental Protection Agency</b>
EPM	<b>Environmental Protection Measure</b>
EPRI	<b>Electric Power Research Institute</b>
FAA	<b>Federal Aviation Administration</b>
FEMA	<b>Federal Emergency Management Agency</b>
FERC	<b>Federal Energy Regulatory Commission</b>
FM	<b>frequency modulation</b>
FPLE	<b>Florida Power and Light Energy</b>
FR	<b>Federal Register</b>
FRAQMD	<b>Feather River Air Quality Management District</b>
GIS	<b>geographic information system</b>
IBWC	<b>International Boundary and Water Commission</b>
IPT	<b>Industrial Power Technology</b>
ISO	<b>California Independent System Operator Corporation</b>
ICNIRP	<b>International Commission on Non-Ionizing Radiation Protection</b>
MMI	<b>Modified Mercalli Intensity</b>
MP	<b>milepost</b>
NA	<b>not available/not applicable</b>
NAGPRA	<b><i>Native American Graves Protection and Repatriation . Act</i></b>
NAHC	<b>Native American Heritage Commission</b>
NCPA	<b>Northern California Power Agency</b>
NEPA	<b><i>National Environmental Policy Act</i></b>
NERC	<b>North American Electric Reliability Council</b>
NESC	<b>National Electric Safety Code</b>
NHPA	<b><i>National Historic Preservation Act</i></b>
NIEHS	<b>National Institute of Environmental Health Sciences</b>
NIOSH	<b>National Institute of Occupational Safety and Health</b>
NMFS	<b>National Marine Fisheries Service</b>
NO <sub>2</sub>	<b>nitrogen dioxide</b>
NOA	<b>notice of availability</b>

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<b>NOI</b>	.....	<b>notice of intent</b>
<b>NO<sub>x</sub></b>	.....	<b>nitrogen oxides</b>
<b>NPDES</b>	.....	<b>National Pollutant Discharge Elimination System</b>
<b>NRHP</b>	.....	<b>National Register of Historic Places</b>
<b>NSPS</b>	.....	<b>New Source Performance Standard</b>
<b>O<sub>3</sub></b>	.....	<b>ozone</b>
<b>OSHA</b>	.....	<b>Occupational Safety and Health Administration</b>
<b>PA</b>	.....	<b>Programmatic Agreement</b>
<b>Pb</b>	.....	<b>lead</b>
<b>PG&amp;E</b>	.....	<b>Pacific Gas &amp; Electric Company</b>
<b>PGA</b>	.....	<b>peak ground acceleration</b>
<b>PIP</b>	.....	<b>Public Involvement Plan</b>
<b>PSD</b>	.....	<b>prevention of significant deterioration</b>
<b>PSMM</b>	.....	<b><i>Power System Maintenance Manual</i></b>
<b>PSOM</b>	.....	<b><i>Power System Operations Manual</i></b>
<b>PSSM</b>	.....	<b><i>Power System Safety Manual</i></b>
<b>Q<sub>b</sub></b>	.....	<b>Floodbasin deposits</b>
<b>Q<sub>r</sub></b>	.....	<b>River deposits</b>
<b>QT<sub>c</sub></b>	.....	<b>Continental deposits</b>
<b>RAPID</b>	.....	<b>Research and Public Information Dissemination</b>
<b>RCPG</b>	.....	<b>River City Planning Group</b>
<b>RCTG</b>	.....	<b>River City Transmission Group</b>
<b>Reclamation</b>	.....	<b>U.S. Bureau of Reclamation</b>
<b>RI</b>	.....	<b>radio interference</b>
<b>ROC</b>	.....	<b>reactive organic compounds</b>
<b>ROD</b>	.....	<b>record of decision</b>
<b>ROG</b>	.....	<b>reactive organic gas</b>
<b>ROI</b>	.....	<b>region of influence</b>
<b>ROW</b>	.....	<b>right-of-way</b>
<b>SATPG</b>	.....	<b>Sacramento Area Transmission Planning Group</b>
<b>SHPO</b>	.....	<b>State Historic Preservation Office</b>
<b>SIP</b>	.....	<b>State Implementation Plan</b>
<b>SJVUAPCD</b>	.....	<b>San Joaquin Valley Unified Air Pollution Control District</b>
<b>SMAQMD</b>	.....	<b>Sacramento Metropolitan Air Quality Management District</b>

<b>SMUD</b>	<b>Sacramento Municipal Utility District</b>
<b>SNR</b>	<b>Sierra Nevada Region/Sierra Nevada Regional Office</b>
<b>SO<sub>2</sub></b>	<b>sulfur dioxide</b>
<b>SVS</b>	<b>Sacramento Area Voltage Support</b>
<b>TANC</b>	<b>Transmission Agency of Northern California</b>
<b>TCP</b>	<b>traditional cultural property</b>
<b>U.S.</b>	<b>United States</b>
<b>U.S.C.</b>	<b><i>United States Code</i></b>
<b>UBC</b>	<b>Uniform Building Code</b>
<b>USACE</b>	<b>U.S. Army Corps of Engineers</b>
<b>USDA</b>	<b>U.S. Department of Agriculture</b>
<b>USFWS</b>	<b>U.S. Fish and Wildlife Service</b>
<b>USGS</b>	<b>U.S. Geological Survey</b>
<b>VELB</b>	<b>Valley elderberry longhorn beetle</b>
<b>VOC</b>	<b>volatile organic compound</b>
<b>WECC</b>	<b>Western Electricity Coordination Council</b>
<b>Western</b>	<b>Western Area Power Administration</b>
<b>WICF</b>	<b>Western Interconnect Coordinating Forum</b>

## **Units of Measure**

<b>%</b>	<b>percent</b>
<b>°F</b>	<b>Fahrenheit</b>
<b>µg/m<sup>3</sup></b>	<b>micrograms per cubic meter</b>
<b>µT</b>	<b>microteslas</b>
<b>1/d</b>	<b>one divided by the distance</b>
<b>1/d<sup>2</sup></b>	<b>distanced squared</b>
<b>cm</b>	<b>centimeters</b>
<b>cm/sec</b>	<b>centimeters per second</b>
<b>dB</b>	<b>decibel</b>
<b>dBA</b>	<b>decibel, A-weighted sound levels</b>
<b>G</b>	<b>gauss</b>
<b>GW</b>	<b>gigawatt</b>
<b>Hz</b>	<b>hertz</b>
<b>KCMIL</b>	<b>thousand circular mil conductor</b>

---

km .....	kilometer
kV .....	kilovolt
kV/m .....	kilovolts per meter
kVA .....	kilovolt ampere
kW .....	kilowatt
kWh .....	kilowatt hour
L <sub>dn</sub> .....	average day to night noise level
Leq <sub>(24)</sub> .....	24-hour average noise
m .....	meter
mA .....	millamp
mG .....	gauss or milligauss
mg/m <sup>3</sup> .....	milligrams per cubic meter
mi .....	mile
mm .....	millimeter
mph .....	miles per hour
msl .....	mean sea level
MVA .....	megavolt-ampere
MW .....	megawatt
MWe .....	megawatt-electric
MWh .....	megawatt hour
PM <sub>10</sub> .....	particulate matter equal to or less than 10 microns in diameter
PM <sub>2.5</sub> .....	particulate matter equal to or less than 2.5 microns in diameter
ppb .....	parts per billions
ppm .....	parts per million
ppt .....	parts per thousand
V .....	volt
V/m .....	volts per meter